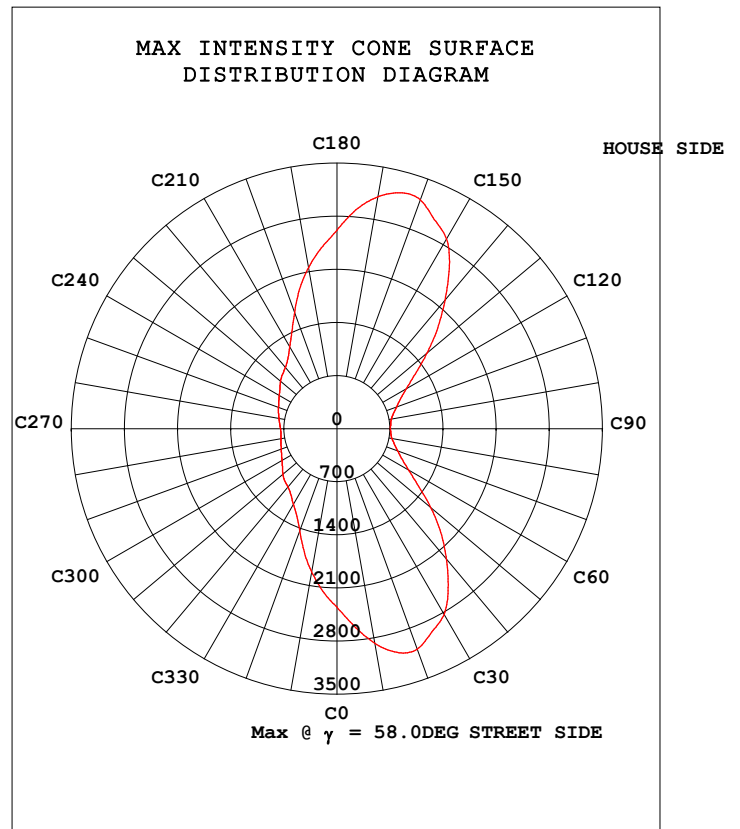
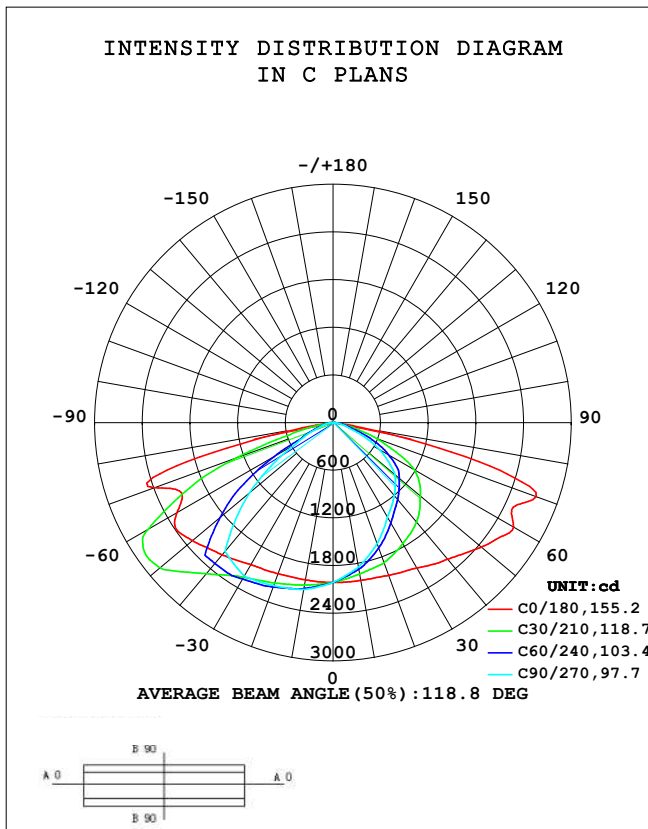


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.2356A P:50.78W PF:0.9760 Lamp Flux:7495.03x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.59 lm/W			
MODEL	LED	Imax (cd)	3220	η street_up (%)	0.0
NOMINAL POWER (W)	50	LOR (%)	100.0	η street_down (%)	50.1
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	7495	η house_up (%)	0.0
NOMINAL FLUX (lm)	7495.03	MAXIMUM @ (C, γ)	165,58.0	η house_down (%)	49.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	19.829



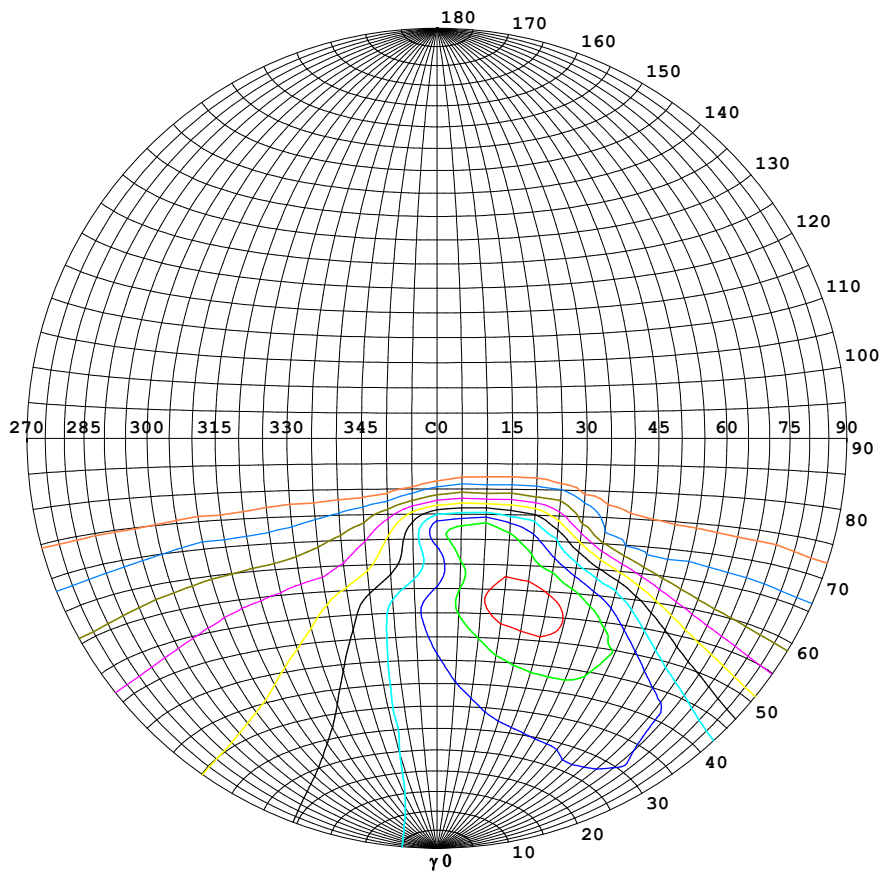
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.2356A P:50.78W PF:0.9760 Lamp Flux:7495.03x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



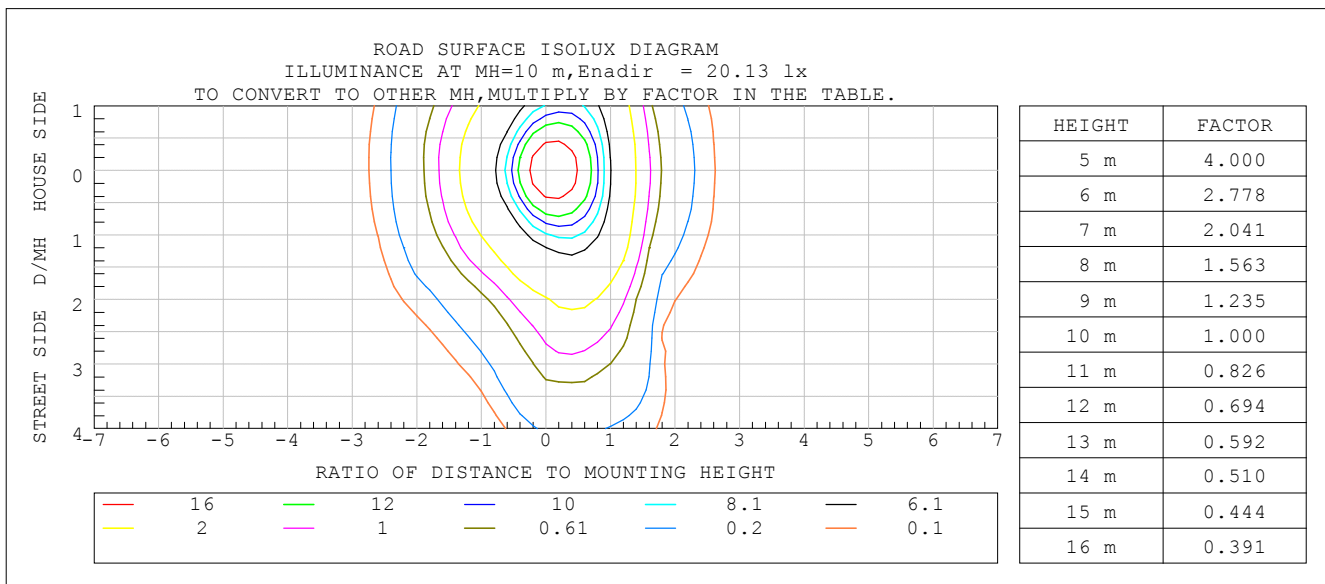
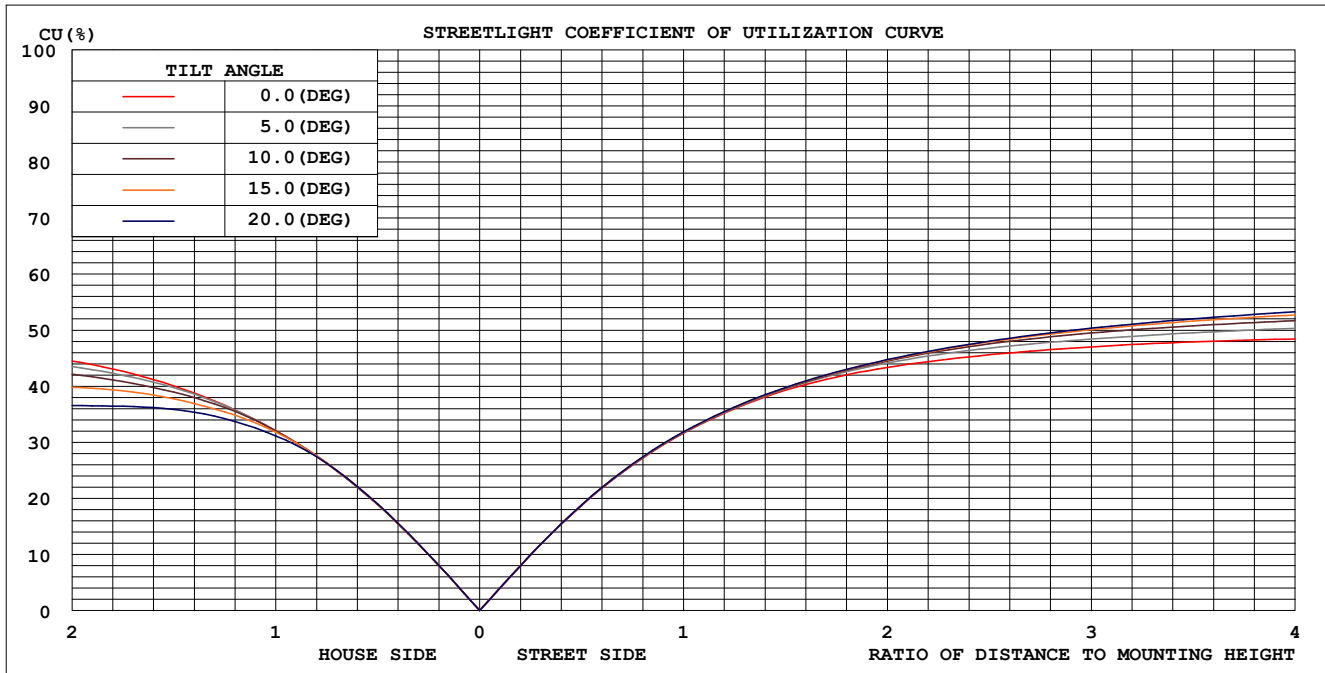
Classification:

IES:Type IV - Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:66.89cd/klm
Max.At90:3.946cd/klm
Max.80-90:66.89cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3220
90%	2898
80%	2576
70%	2254
60%	1932
50%	1610
40%	1288
30%	966
20%	644
10%	322
5%	161

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.2356A P:50.78W PF:0.9760 Lamp Flux:7495.03x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

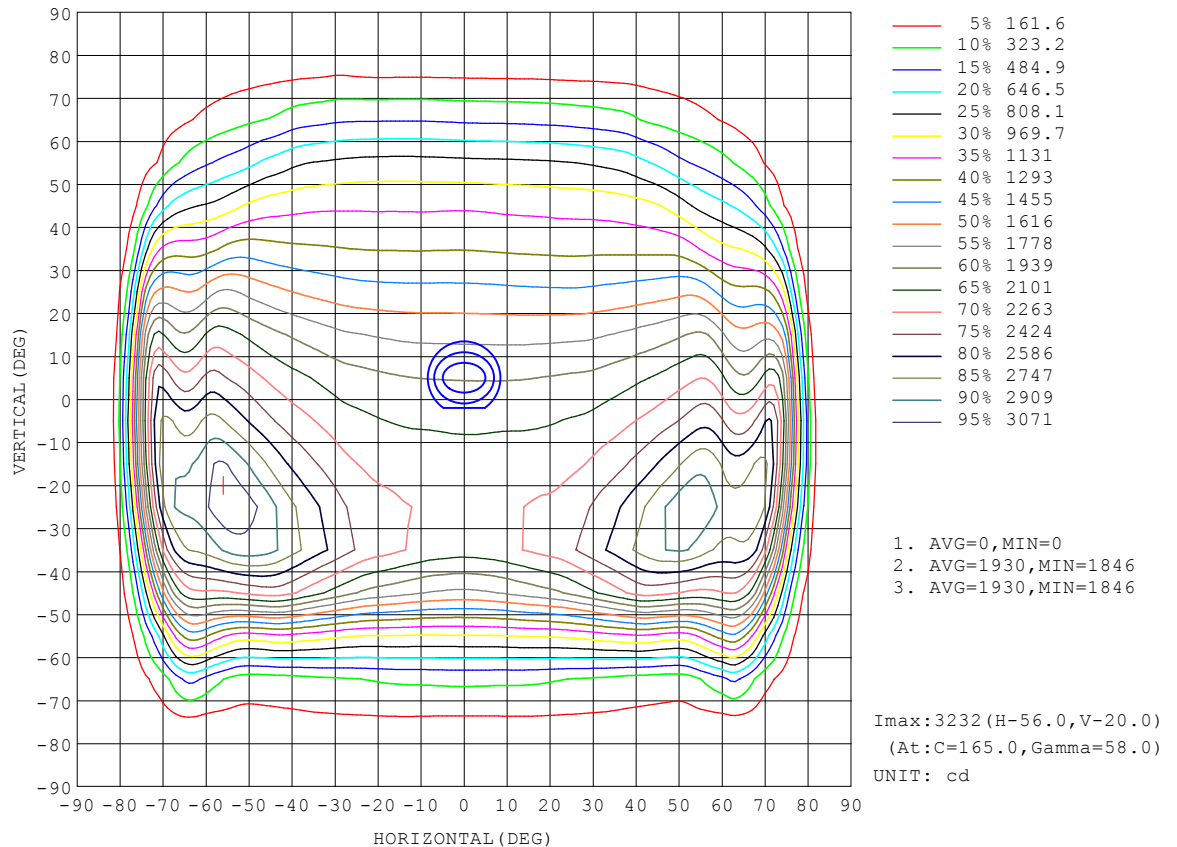
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	*lum,lamp
5	2011	2055	2074	2058	2014	1956	1930	1953	0- 5	48.01	48.01	0.64,0.64
10	2010	2102	2134	2106	2016	1900	1847	1894	5- 10	143.3	191.3	2.55,2.55
15	2012	2146	2159	2150	2024	1842	1735	1832	10- 15	236.5	427.8	5.71,5.71
20	2024	2181	2185	2190	2046	1760	1623	1745	15- 20	326.1	753.9	10.1,10.1
25	2044	2228	2209	2241	2074	1673	1497	1648	20- 25	411.8	1166	15.6,15.6
30	2065	2269	2233	2291	2114	1579	1371	1546	25- 30	492.5	1658	22.1,22.1
35	2116	2342	2175	2375	2182	1477	1286	1440	30- 35	569.3	2228	29.7,29.7
40	2173	2449	2116	2488	2245	1374	1200	1333	35- 40	643.1	2871	38.3,38.3
45	2232	2519	1742	2540	2332	1296	1111	1254	40- 45	707.1	3578	47.7,47.7
50	2311	2560	1369	2558	2439	1202	1022	1161	45- 50	746.6	4324	57.7,57.7
55	2385	2179	955.6	2143	2538	1093	849.3	1049	50- 55	758.0	5082	67.8,67.8
60	2271	1720	542.5	1659	2623	950.4	677.1	905.0	55- 60	723.1	5805	77.5,77.5
65	2105	866.2	364.8	853.8	2507	711.5	456.6	637.4	60- 65	616.0	6421	85.7,85.7
70	2400	287.8	187.1	296.8	2724	449.7	236.1	375.7	65- 70	489.0	6910	92.2,92.2
75	1906	164.5	129.2	170.8	1903	222.3	151.6	186.3	70- 75	362.6	7273	97,97
80	392.6	100.3	71.35	106.1	384.0	116.8	67.24	96.89	75- 80	173.5	7446	99.4,99.4
85	55.32	27.89	0	30.32	41.32	26.67	0	21.68	80- 85	42.92	7489	99.9,99.9
90	29.58	0	0	0	25.38	0	0	0	85- 90	5.634	7495	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

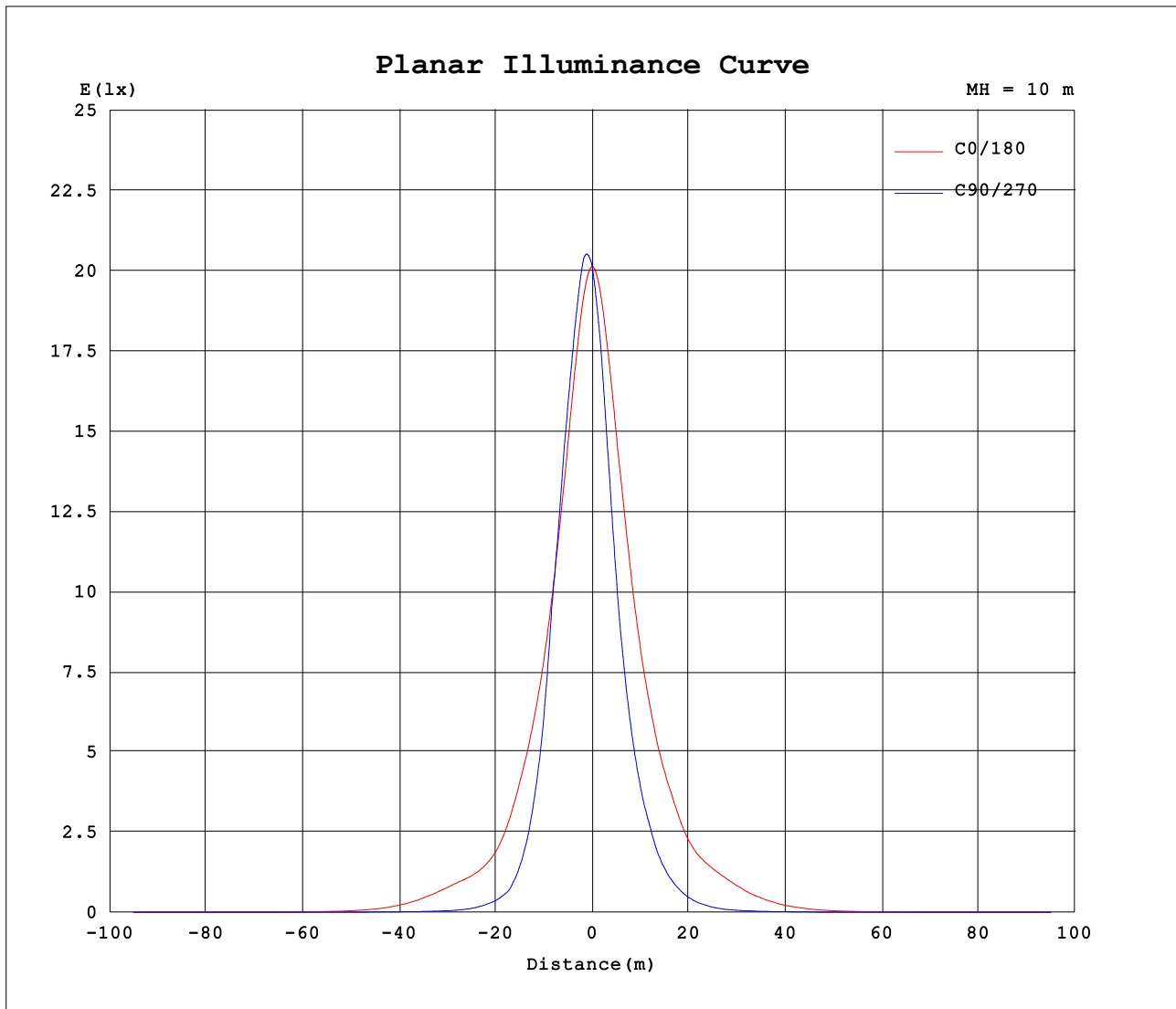
Test:U:220.8V I:0.2356A P:50.78W PF:0.9760 Lamp Flux:7495.03x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



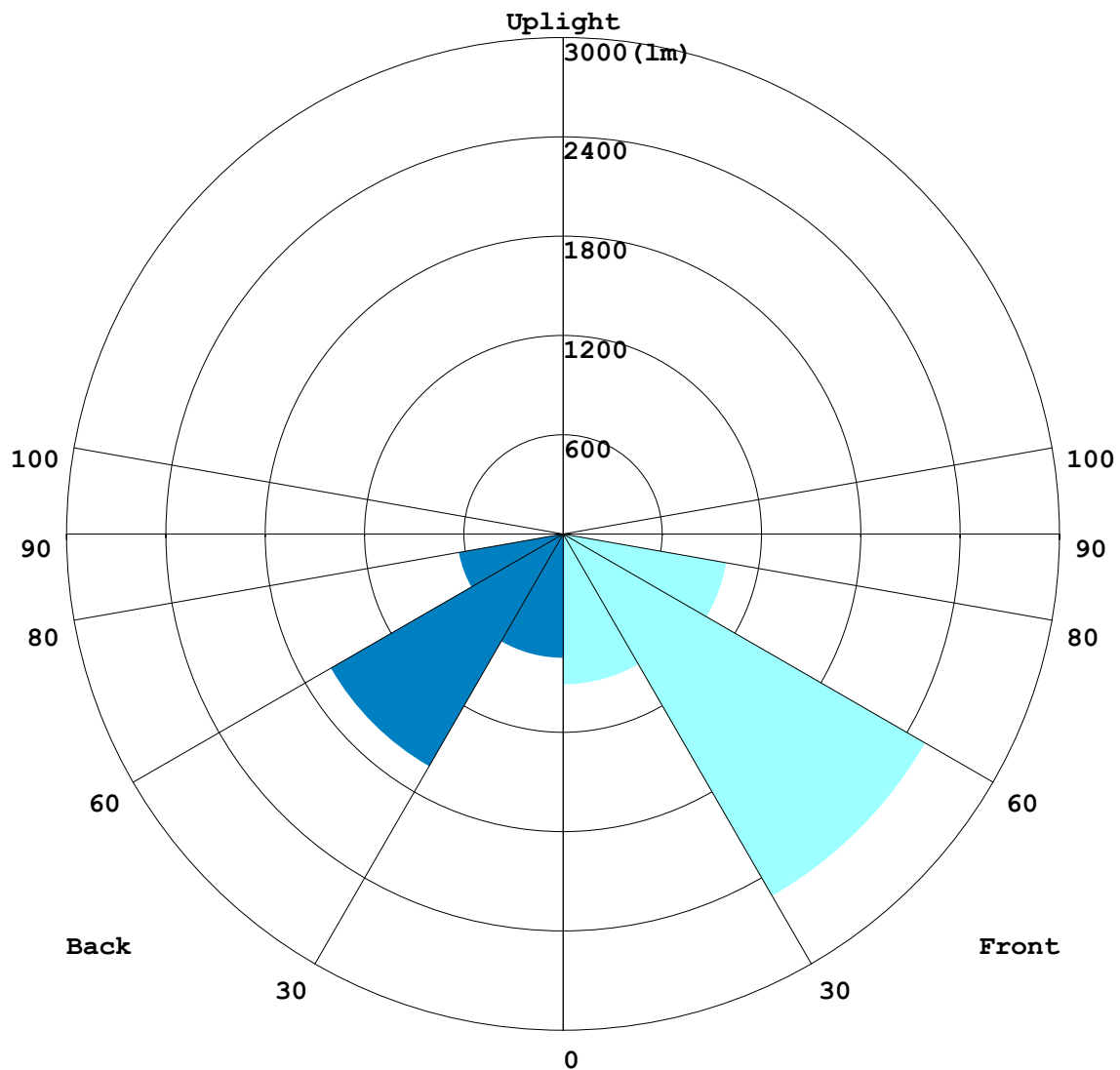
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.8V I:0.2356A P:50.78W PF:0.9760 Lamp Flux:7495.03x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.8V I:0.2356A P:50.78W PF:0.9760 Lamp Flux:7495.03x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	909.81	12.1
FM - Front-Medium(30-60)	2527	33.7
FH - Front-High(60-80)	1002.3	13.4
FVH - Front-Very High(80-90)	29.274	0.4
Total Forward Light	4468.4	59.6

BL - Back-Low(0-30)	748.42	10.0
BM - Back-Medium(30-60)	1620.2	21.6
BH - Back-High(60-80)	638.73	8.5
BVH - Back-Very High(80-90)	19.282	0.3
Total Back Light	3026.6	40.4

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3026.6	0	3026.6
Street Side	4468.4	0	4468.4

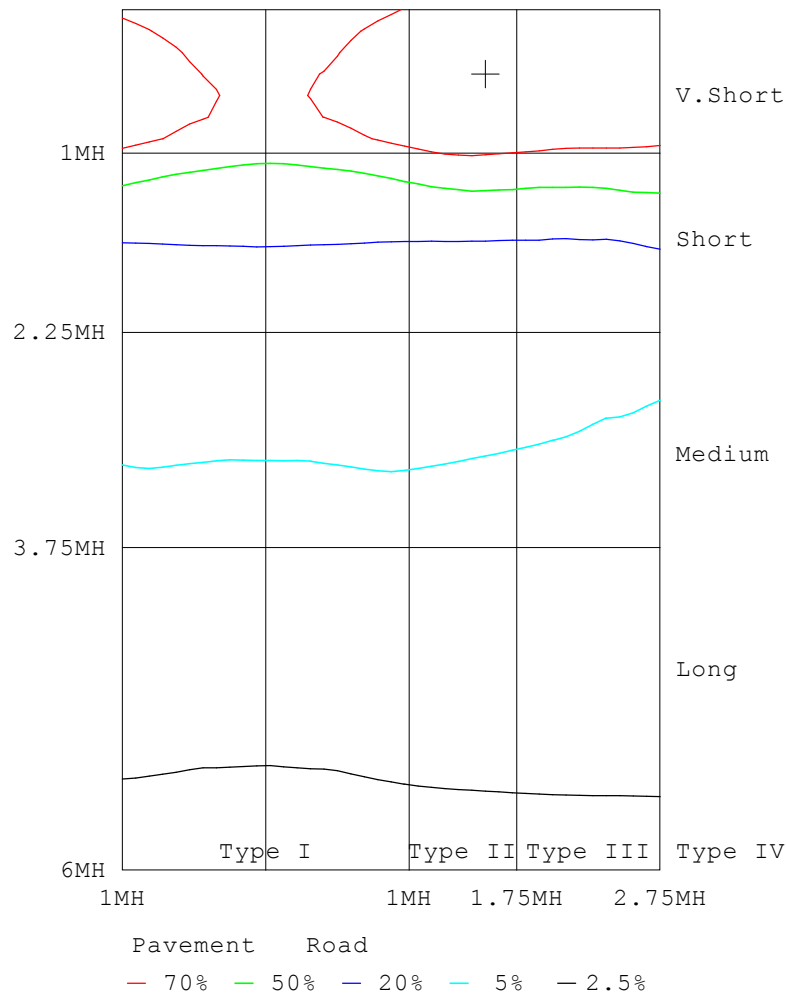
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.2356A P:50.78W PF:0.9760 Lamp Flux:7495.03x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```